FCC RF TEST REPORT

For

Mobile Phone

Model Number: CPH2477

FCC ID: R9C-22263

Report Number : WT238000018

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection
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Revision History

No	Date	Remark
V1.0	2023.02.03	Initial issue

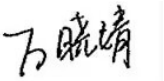
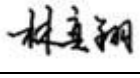
Test report declaration

Applicant	:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
Manufacturer	:	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
Address	:	NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China
EUT Description	:	Mobile Phone
Model No.	:	CPH2477
Trade mark	:	OPPO
FCC ID	:	R9C-22263

Test Standards:
FCC PART 2, 24E, 22H, 27

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 2, 22H, 24E, 27.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:	 (Zeng Wei 曾伟)	Date:	Feb.03, 2023
Checked by:	 (Wan Xiaojing 万晓婧)	Date:	Feb.03, 2023
Approved by:	 (Lin Yixiang 林奕翔)	Date:	Feb.03, 2023

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1. TEST RESULTS SUMMARY

No.	Test Description	FCC Part No.	Test Result	Test Verdict
1	Conducted Power & Effective Radiated Power	2.1046 22.913 24.232 27.50	APPENDIX A	Pass
2	Peak to Average Radio	2.1046 24.232 27.50	APPENDIX B	Pass
3	Occupied Bandwidth & Emission Bandwidth	2.1049 22.917 27.53	APPENDIX C	Pass
4	Conducted Band Edge	2.1051 22.917 24.238 27.53	APPENDIX D	Pass
5	Conducted Spurious Emissions	2.1051 22.917 24.238 27.53	APPENDIX E	Pass
6	Frequency Stability	2.1055 22.355 24.235 27.54	APPENDIX F	Pass
7	Radiated Spurious Emissions	2.1053 22.917 24.238 27.53	APPENDIX G	Pass

Remark: “N/A” means “Not applicable.”
The tests documented in this report were performed in accordance with ANSI C63.26 (2015), FCC PART 2, 22H, 24E, 27.

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The samples mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting from false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China.
At the time of testing, Laboratory is accredited by the following organizations:
China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.
The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.
The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.
The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078, and T-20047.
The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

3. PRODUCT DESCRIPTION

3.1. EUT Description

Specification of the Equipment under Test

Hardware Revision:	11	
Software Revision:	Color OS V12.1	
Tx Frequency:	GSM850:	824 ~ 849 MHz
	PCS1900:	1850 ~ 1910 MHz
	WCDMA 850:	824 ~ 849 MHz
	LTE Band 5:	824 ~ 849 MHz
	LTE Band 7:	2500 ~ 2570 MHz
	LTE Band 38:	2570 ~ 2620 MHz
	LTE Band 41:	2496 ~ 2690 MHz
Rx Frequency:	GSM850:	869 ~ 894 MHz
	PCS1900:	1930 ~ 1990 MHz
	WCDMA Band V:	869 ~ 894 MHz
	LTE Band 5:	869 ~ 894 MHz
	LTE Band 7:	2620 ~ 2690 MHz
	LTE Band 38:	2570 ~ 2620 MHz
	LTE Band 41:	2496 ~ 2690 MHz
Type(s) of Modulation:	GSM: GMSK, 8PSK WCDMA: QPSK LTE: QPSK, 16QAM, 64QAM	

Remark:

This test report is for application of FCC ID: R9C-22263, which consists of reused data of FCC ID: R9C-CPH2477.See the APPENDIX H Product Equality Declaration for the differences between the new model CPH2477 and the original model CPH2477.
Considering above changes, only retest the LTE Band 41 in this report. All other test data were reuse of those from the original report NO.: WT228001825.

Test Mode	Condition	FCC ID	Report Number	Remark
GSM 850 PCS 1900 WCDMA Band V LTE Band 5, 7, 38	Data reference: 1. Conducted Power & Effective Radiated Power 2. Peak to Average Radio 3. Occupied Bandwidth & Emission Bandwidth 4. Conducted Band Edge 5. Conducted Spurious Emissions 6. Frequency Stability 7. Radiated Spurious Emissions	R9C-CPH2477	WT228001825	--
LTE Band 41	New test: 1. Conducted Power & Effective Radiated Power 2. Peak to Average Radio 3. Occupied Bandwidth & Emission Bandwidth 4. Conducted Band Edge 5. Conducted Spurious Emissions 6. Frequency Stability 7. Radiated Spurious Emissions	--	--	--

Antenna Type:		PIFA antenna	
Antenna Gain:	Bottom Antenna (Ant 0)	GSM850:	**-6.4 dBi**
		PCS1900:	**-0.62 dBi**
		WCDMA Band V:	**-6.4 dBi**
		LTE Band 5:	**-6.4 dBi**
		LTE Band 7:	-0.1 dBi
		LTE Band 38:	-3.25 dBi
		LTE Band 41:	-3.25 dBi
	Top Antenna (Ant 1)	GSM850:	-10.54 dBi
		PCS1900:	-1.03 dBi
		WCDMA Band V:	-7.96 dBi
		LTE Band 5:	-7.96 dBi
		LTE Band 7:	**0.8 dBi**
		LTE Band 38:	**0.91 dBi**
		LTE Band 41:	**0.91 dBi**
Power Supply Voltage:		DC: 3.6V (Low)/3.87V (Nominal)/ 4.45V (Max)	

NOTE:

1. The extreme test conditions for temperature and antenna gain were declared by the manufacturer.
2. The port of bottom antenna was chosen as representative port to perform the worst case of conducted test.
3. Both bottom and top antennas support transmission (1TX2RX). The EUT doesn't support UL-MIMO mode of GSM, WCDMA and LTE.

3.2. Identification of Accessory equipment

AE #	Type	Manufacturer	Model	Serial Number
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3.3. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: R9C-22263 filing to comply with FCC PART 2, 22H, 27.

3.4. Operating Condition of EUT

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (Y plane).
Radiated spurious emissions were investigated below 30MHz, 30MHz-1GHz and above 1GHz.There were no emissions found on below 30MHz and 30MHz-1GHz.

TM1: GSM Mode with GMSK Modulation
TM2: EDGE Mode with 8PSK Modulation
TM3: WCDMA Mode with QPSK Modulation
TM4: LTE Mode with QPSK Modulation
TM5: LTE Mode with 16QAM Modulation
TM6: LTE Mode with 64QAM Modulation

3.5. Conducted Power

GSM:

Band: GSM850	Measured (dBm)		
Test Condition	TNVN		
Channel	128	190	251
Frequency (MHz)	824.2	836.6	848.8
GSM (GMSK, 1 Tx slot)	32.77	32.67	32.62
GPRS (GMSK, 1 Tx slot)	32.81	32.67	32.60
GPRS (GMSK, 2 Tx slots)	30.44	30.29	30.21
GPRS (GMSK, 3 Tx slots)	28.42	28.26	28.21
GPRS (GMSK, 4 Tx slots)	27.26	27.17	27.10
EDGE (8PSK, 1 Tx slot)	27.59	27.57	27.25
EDGE (8PSK, 2 Tx slots)	25.33	25.35	25.08
EDGE (8PSK, 3 Tx slots)	23.07	23.03	22.82
EDGE (8PSK, 4 Tx slots)	22.27	22.26	22.06

Band: PCS1900	Measured (dBm)		
Test Condition	TNVN		
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GSM (GMSK, 1 Tx slot)	29.87	29.67	29.90
GPRS (GMSK, 1 Tx slot)	29.88	29.63	29.88
GPRS (GMSK, 2 Tx slots)	27.41	27.21	27.49
GPRS (GMSK, 3 Tx slots)	25.43	25.19	25.46
GPRS (GMSK, 4 Tx slots)	24.34	24.10	24.40
EDGE (8PSK, 1 Tx slot)	26.43	26.25	26.61
EDGE (8PSK, 2 Tx slots)	24.46	24.30	24.66
EDGE (8PSK, 3 Tx slots)	22.22	22.19	22.56
EDGE (8PSK, 4 Tx slots)	21.62	21.51	21.88

WCDMA:

Band: WCDMA Band V	Average Power [dBm]		
Channel	**4,132**	**4,182**	**4,233**
Frequency (MHz)	**826.4**	**836.4**	**846.6**
RMC 12.2K	**24.20**	**24.19**	**24.20**
HSDPA Subtest-1	23.18	23.17	23.23
HSDPA Subtest-2	22.45	22.44	22.50
HSDPA Subtest-3	22.39	22.48	22.46
HSDPA Subtest-4	22.41	22.43	22.38
HSUPA Subtest-1	22.29	21.79	21.88
HSUPA Subtest-2	21.91	21.96	21.96
HSUPA Subtest-3	22.85	22.84	22.92
HSUPA Subtest-4	21.44	21.45	21.49
HSUPA Subtest-5	22.86	22.90	22.94

LTE:

Band	Bandwidth	Modulation	Channel	RB Config.	Power (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.02	PASS
Band5	1.4MHz	QPSK	20407	1RB#3	23.11	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.01	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20407	3RB#2	23.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.08	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.15	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.98	PASS
Band5	1.4MHz	QPSK	20525	1RB#3	23.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.98	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.10	PASS
Band5	1.4MHz	QPSK	20525	3RB#2	23.11	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.10	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#3	23.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.95	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.05	PASS
Band5	1.4MHz	QPSK	20643	3RB#2	23.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.32	PASS
Band5	1.4MHz	16QAM	20407	1RB#3	22.36	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.28	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.21	PASS
Band5	1.4MHz	16QAM	20407	3RB#2	22.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.16	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#3	22.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#2	22.28	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.20	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#3	22.35	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.12	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.15	PASS
Band5	1.4MHz	16QAM	20643	3RB#2	22.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.11	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.16	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.88	PASS
Band5	1.4MHz	64QAM	20407	1RB#3	21.93	PASS

Band5	1.4MHz	64QAM	20407	1RB#5	21.82	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.82	PASS
Band5	1.4MHz	64QAM	20407	3RB#2	21.86	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.86	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.74	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.75	PASS
Band5	1.4MHz	64QAM	20525	1RB#3	21.78	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.79	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.77	PASS
Band5	1.4MHz	64QAM	20525	3RB#2	21.83	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.81	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.73	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.78	PASS
Band5	1.4MHz	64QAM	20643	1RB#3	21.79	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.75	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.78	PASS
Band5	1.4MHz	64QAM	20643	3RB#2	21.76	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.75	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.75	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.06	PASS
Band5	3MHz	QPSK	20415	1RB#7	23.23	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.02	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.09	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.14	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.10	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.07	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.05	PASS
Band5	3MHz	QPSK	20525	1RB#7	23.18	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.03	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.11	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.11	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.07	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.09	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.02	PASS
Band5	3MHz	QPSK	20635	1RB#7	23.11	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.97	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.06	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.07	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.03	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.31	PASS
Band5	3MHz	16QAM	20415	1RB#7	22.39	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.37	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.12	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.19	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.13	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.06	PASS

Band5	3MHz	16QAM	20525	1RB#0	22.36	PASS
Band5	3MHz	16QAM	20525	1RB#7	22.46	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.29	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.15	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.14	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.13	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.05	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.23	PASS
Band5	3MHz	16QAM	20635	1RB#7	22.30	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.21	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.14	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.11	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.09	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.01	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.86	PASS
Band5	3MHz	64QAM	20415	1RB#7	22.06	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.83	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.73	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.72	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.73	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.70	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.82	PASS
Band5	3MHz	64QAM	20525	1RB#7	21.83	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.77	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.66	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.68	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.61	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.63	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.71	PASS
Band5	3MHz	64QAM	20635	1RB#7	21.78	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.73	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.66	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.63	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.64	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.70	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.01	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.21	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.99	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.12	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.10	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.14	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.99	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.17	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.96	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.15	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.16	PASS

Band5	5MHz	QPSK	20525	12RB#13	22.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.13	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.97	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.13	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.92	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.13	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.12	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.01	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.24	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.44	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.23	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.14	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.17	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.11	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.13	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.21	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.43	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.30	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.12	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.17	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.08	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.13	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.28	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.47	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.10	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.16	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.16	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.04	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.11	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.80	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.94	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.75	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.76	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.77	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.69	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.78	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.77	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.86	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.73	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.68	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.69	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.66	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.71	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.69	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.85	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.68	PASS

Band5	5MHz	64QAM	20625	12RB#0	20.74	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.72	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.63	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.74	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.00	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.16	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.99	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.17	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.14	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.12	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.14	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.03	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.08	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.97	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.14	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.14	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.09	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.13	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.99	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.08	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.95	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.16	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.09	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.00	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.09	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.30	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.25	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.16	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.11	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.12	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.35	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.47	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.20	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.15	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.13	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.11	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.09	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.19	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.38	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.18	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.15	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.10	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.01	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.10	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.83	PASS

Band5	10MHz	64QAM	20450	1RB#24	21.90	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.74	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.83	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.76	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.76	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.79	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.73	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.80	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.80	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.79	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.72	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.72	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.71	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.73	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.79	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.75	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.81	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.77	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.63	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.75	PASS
Band7	5MHz	QPSK	20775	1RB#0	22.28	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.39	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.24	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.32	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.36	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.36	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.36	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.25	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.35	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.19	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.30	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.31	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.27	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.29	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.35	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.53	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.27	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.42	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.42	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.33	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.37	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.45	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.49	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.46	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.32	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.33	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.35	PASS

Band7	5MHz	16QAM	20775	25RB#0	20.32	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.55	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.59	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.53	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.27	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.30	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.26	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.28	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.60	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.64	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.52	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.41	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.37	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.30	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.35	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.30	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.47	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.27	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.21	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.22	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.23	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.23	PASS
Band7	5MHz	64QAM	21100	1RB#0	21.31	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.35	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.18	PASS
Band7	5MHz	64QAM	21100	12RB#0	20.18	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.17	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.13	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.17	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.35	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.46	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.30	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.23	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.20	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.15	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.22	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.26	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.37	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.26	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.32	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.35	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.42	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.37	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.27	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.35	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.24	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.38	PASS

Band7	10MHz	QPSK	21100	25RB#12	21.32	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.35	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.38	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.41	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.42	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.30	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.50	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.41	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.35	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.40	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.59	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.53	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.47	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.31	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.33	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.41	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.36	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.52	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.64	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.39	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.34	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.28	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.36	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.36	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.57	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.60	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.56	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.48	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.39	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.31	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.38	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.26	PASS
Band7	10MHz	64QAM	20800	1RB#24	21.33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.34	PASS
Band7	10MHz	64QAM	20800	25RB#0	20.19	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.22	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.32	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.31	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.25	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.35	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.24	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.25	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.20	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.24	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.22	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.34	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.37	PASS

Band7	10MHz	64QAM	21400	1RB#49	21.33	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.28	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.24	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.21	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.25	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.24	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.27	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.17	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.26	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.30	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.39	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.33	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.23	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.25	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.18	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.24	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.30	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.36	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.38	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.27	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.21	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.21	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.40	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.46	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.39	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.47	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.48	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.39	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.50	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.46	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.61	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.30	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.48	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.48	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.39	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.47	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.58	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.66	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.37	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.49	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.58	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.44	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.57	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.67	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.37	PASS

Band7	15MHz	64QAM	20825	1RB#0	21.26	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.31	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.30	PASS
Band7	15MHz	64QAM	20825	38RB#0	21.23	PASS
Band7	15MHz	64QAM	20825	38RB#18	21.31	PASS
Band7	15MHz	64QAM	20825	38RB#37	21.39	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.24	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.19	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.27	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.16	PASS
Band7	15MHz	64QAM	21100	38RB#0	21.26	PASS
Band7	15MHz	64QAM	21100	38RB#18	21.27	PASS
Band7	15MHz	64QAM	21100	38RB#37	21.37	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.26	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.19	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.31	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.23	PASS
Band7	15MHz	64QAM	21375	38RB#0	21.22	PASS
Band7	15MHz	64QAM	21375	38RB#18	21.39	PASS
Band7	15MHz	64QAM	21375	38RB#37	21.37	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.22	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.16	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.36	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.05	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.18	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.31	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.43	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.33	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.12	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.35	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.06	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.40	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.35	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.34	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.39	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.15	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.44	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.12	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.36	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.47	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.34	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.35	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.40	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.57	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.30	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.16	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.31	PASS

Band7	20MHz	16QAM	20850	50RB#50	20.41	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.30	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.35	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.48	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.35	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.38	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.37	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.37	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.44	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.74	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.30	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.36	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.42	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.35	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.03	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.39	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.07	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.10	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.24	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.29	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.20	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.08	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.36	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.97	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.26	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.23	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.21	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.22	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.11	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.42	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.10	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.17	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.24	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.22	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.19	PASS
Band38	5MHz	QPSK	37775	1RB#0	23.13	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.15	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.05	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.06	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.08	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.03	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.09	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.03	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.21	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.03	PASS

Band38	5MHz	QPSK	38000	12RB#0	22.07	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.10	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.06	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.09	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.09	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.20	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.10	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.14	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.15	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.15	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.18	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.14	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.23	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.07	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.16	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.12	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.10	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.09	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.12	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.28	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.10	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.08	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.12	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.10	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.06	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.17	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.24	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.16	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.16	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.16	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.19	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.13	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.95	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.05	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.09	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.99	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.03	PASS
Band38	5MHz	64QAM	37775	12RB#13	19.96	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.04	PASS
Band38	5MHz	64QAM	38000	1RB#0	20.86	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.12	PASS
Band38	5MHz	64QAM	38000	1RB#24	20.96	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.01	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.07	PASS
Band38	5MHz	64QAM	38000	12RB#13	19.97	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.06	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.21	PASS

Band38	5MHz	64QAM	38225	1RB#12	21.08	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.24	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.03	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.09	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.04	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.21	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.16	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.17	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.18	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.13	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.10	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.07	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.07	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.18	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.01	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.12	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.11	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.08	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.10	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.21	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.10	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.15	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.15	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.15	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.07	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.14	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.19	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.05	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.09	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.09	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.11	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.10	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.11	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.23	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.05	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.07	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.09	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.08	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.10	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.14	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.21	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.14	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.13	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.14	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.13	PASS

Band38	10MHz	16QAM	38200	50RB#0	21.18	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.98	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.95	PASS
Band38	10MHz	64QAM	37800	1RB#49	20.94	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.07	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.01	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.95	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.02	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.90	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.01	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.99	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.07	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.09	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.03	PASS
Band38	10MHz	64QAM	38000	50RB#0	19.92	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.98	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.04	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.94	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.15	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.14	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.19	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.03	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.09	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.99	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.96	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.01	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.07	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.12	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.01	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.05	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.94	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.03	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.03	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.15	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.02	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.05	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.09	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.03	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.04	PASS
Band38	15MHz	QPSK	38175	38RB#18	23.11	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.06	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.11	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.07	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.99	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.11	PASS

Band38	15MHz	16QAM	37825	38RB#18	22.08	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.21	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.12	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.05	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.09	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.09	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.12	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.20	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.15	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.13	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.15	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.09	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.12	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.17	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.22	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.15	PASS
Band38	15MHz	64QAM	37825	1RB#0	20.78	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.83	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.84	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.93	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.97	PASS
Band38	15MHz	64QAM	37825	38RB#37	20.91	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.99	PASS
Band38	15MHz	64QAM	38000	1RB#0	20.83	PASS
Band38	15MHz	64QAM	38000	1RB#38	20.90	PASS
Band38	15MHz	64QAM	38000	1RB#74	20.82	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.82	PASS
Band38	15MHz	64QAM	38000	38RB#18	20.83	PASS
Band38	15MHz	64QAM	38000	38RB#37	21.01	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.98	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.96	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.92	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.85	PASS
Band38	15MHz	64QAM	38175	38RB#0	20.91	PASS
Band38	15MHz	64QAM	38175	38RB#18	20.98	PASS
Band38	15MHz	64QAM	38175	38RB#37	21.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.12	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.93	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.19	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.78	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.04	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.96	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.92	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.04	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.89	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.20	PASS

Band38	20MHz	QPSK	38000	1RB#99	22.80	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.01	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.03	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.10	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.87	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.21	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.89	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.03	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.09	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.04	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.09	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.94	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.24	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.88	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.04	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.07	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.04	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.15	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.93	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.28	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.85	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.11	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.08	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.10	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.19	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.92	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.26	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.91	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.12	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.16	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.14	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.22	PASS
Band38	20MHz	64QAM	37850	1RB#0	20.80	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.04	PASS
Band38	20MHz	64QAM	37850	1RB#99	20.61	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.98	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.94	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.95	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.02	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.72	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.12	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.71	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.95	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.94	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.99	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.98	PASS

Band38	20MHz	64QAM	38150	1RB#0	20.78	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.05	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.72	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.01	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.02	PASS
Band38	20MHz	64QAM	38150	50RB#50	20.03	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.05	PASS
Band41	5MHz	QPSK	39675	1RB#0	23.24	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.30	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.18	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.68	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.70	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.64	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.67	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.26	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.30	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.16	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.71	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.65	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.60	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.71	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.19	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.31	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.25	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.79	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.78	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.72	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.71	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.21	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.24	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.14	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.23	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.94	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.90	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.13	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.25	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.28	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.15	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.14	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.18	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.11	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.19	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.22	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.31	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.20	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.17	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.17	PASS

Band41	5MHz	16QAM	41565	12RB#13	21.13	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.26	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.01	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.07	PASS
Band41	5MHz	64QAM	39675	1RB#24	20.96	PASS
Band41	5MHz	64QAM	39675	12RB#0	20.05	PASS
Band41	5MHz	64QAM	39675	12RB#6	20.05	PASS
Band41	5MHz	64QAM	39675	12RB#13	20.06	PASS
Band41	5MHz	64QAM	39675	25RB#0	20.11	PASS
Band41	5MHz	64QAM	40620	1RB#0	21.11	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.13	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.05	PASS
Band41	5MHz	64QAM	40620	12RB#0	20.16	PASS
Band41	5MHz	64QAM	40620	12RB#6	20.17	PASS
Band41	5MHz	64QAM	40620	12RB#13	20.10	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.25	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.16	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.21	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.09	PASS
Band41	5MHz	64QAM	41565	12RB#0	20.25	PASS
Band41	5MHz	64QAM	41565	12RB#6	20.25	PASS
Band41	5MHz	64QAM	41565	12RB#13	20.20	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.30	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.05	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.12	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.02	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.50	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.52	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.49	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.42	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.11	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.13	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.06	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.61	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.62	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.59	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.55	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.12	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.19	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.12	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.69	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.64	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.59	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.58	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.04	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.05	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.98	PASS

Band41	10MHz	16QAM	39700	25RB#0	21.10	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.05	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.03	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.03	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.13	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.02	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.11	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.16	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.13	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.08	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.12	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.19	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.12	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.19	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.19	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.16	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.12	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.06	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.04	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.03	PASS
Band41	10MHz	64QAM	39700	25RB#0	20.13	PASS
Band41	10MHz	64QAM	39700	25RB#12	20.18	PASS
Band41	10MHz	64QAM	39700	25RB#25	20.16	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.14	PASS
Band41	10MHz	64QAM	40620	1RB#0	21.13	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.15	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.05	PASS
Band41	10MHz	64QAM	40620	25RB#0	20.29	PASS
Band41	10MHz	64QAM	40620	25RB#12	20.29	PASS
Band41	10MHz	64QAM	40620	25RB#25	20.27	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.18	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.17	PASS
Band41	10MHz	64QAM	41540	1RB#24	21.20	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.12	PASS
Band41	10MHz	64QAM	41540	25RB#0	20.37	PASS
Band41	10MHz	64QAM	41540	25RB#12	20.32	PASS
Band41	10MHz	64QAM	41540	25RB#25	20.30	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.30	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.97	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.02	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.96	PASS
Band41	15MHz	QPSK	39725	38RB#0	23.02	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.05	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.12	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.52	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.10	PASS

Band41	15MHz	QPSK	40620	1RB#38	23.13	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.02	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.12	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.18	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.17	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.65	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.13	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.16	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.10	PASS
Band41	15MHz	QPSK	41515	38RB#0	23.18	PASS
Band41	15MHz	QPSK	41515	38RB#18	23.24	PASS
Band41	15MHz	QPSK	41515	38RB#37	23.21	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.73	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.99	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.89	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.98	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.02	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.09	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.99	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.10	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.07	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.02	PASS
Band41	15MHz	16QAM	40620	38RB#0	22.11	PASS
Band41	15MHz	16QAM	40620	38RB#18	22.13	PASS
Band41	15MHz	16QAM	40620	38RB#37	22.22	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.14	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.14	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.15	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.10	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.13	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.19	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.28	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.23	PASS
Band41	15MHz	64QAM	39725	1RB#0	20.98	PASS
Band41	15MHz	64QAM	39725	1RB#38	20.99	PASS
Band41	15MHz	64QAM	39725	1RB#74	20.92	PASS
Band41	15MHz	64QAM	39725	38RB#0	20.96	PASS
Band41	15MHz	64QAM	39725	38RB#18	21.00	PASS
Band41	15MHz	64QAM	39725	38RB#37	21.05	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.11	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.06	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.06	PASS
Band41	15MHz	64QAM	40620	1RB#74	20.99	PASS
Band41	15MHz	64QAM	40620	38RB#0	21.05	PASS
Band41	15MHz	64QAM	40620	38RB#18	21.13	PASS
Band41	15MHz	64QAM	40620	38RB#37	21.13	PASS

Band41	15MHz	64QAM	40620	75RB#0	20.14	PASS
Band41	15MHz	64QAM	41515	1RB#0	21.09	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.11	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.08	PASS
Band41	15MHz	64QAM	41515	38RB#0	21.07	PASS
Band41	15MHz	64QAM	41515	38RB#18	21.12	PASS
Band41	15MHz	64QAM	41515	38RB#37	21.20	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.28	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.91	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.08	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.80	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.41	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.51	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.45	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.45	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.97	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.19	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.86	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.54	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.52	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.51	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.55	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.97	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.29	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.95	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.67	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.61	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.60	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.65	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.84	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.09	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.77	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.88	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.90	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.93	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.95	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.15	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.85	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.06	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.06	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.11	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.10	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.99	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.30	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.95	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.15	PASS

Band41	20MHz	16QAM	41490	50RB#25	21.14	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.13	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.24	PASS
Band41	20MHz	64QAM	39750	1RB#0	20.88	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.07	PASS
Band41	20MHz	64QAM	39750	1RB#99	20.80	PASS
Band41	20MHz	64QAM	39750	50RB#0	20.10	PASS
Band41	20MHz	64QAM	39750	50RB#25	20.01	PASS
Band41	20MHz	64QAM	39750	50RB#50	20.11	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.06	PASS
Band41	20MHz	64QAM	40620	1RB#0	20.93	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.19	PASS
Band41	20MHz	64QAM	40620	1RB#99	20.85	PASS
Band41	20MHz	64QAM	40620	50RB#0	20.09	PASS
Band41	20MHz	64QAM	40620	50RB#25	20.08	PASS
Band41	20MHz	64QAM	40620	50RB#50	20.12	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.12	PASS
Band41	20MHz	64QAM	41490	1RB#0	20.97	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.26	PASS
Band41	20MHz	64QAM	41490	1RB#99	20.95	PASS
Band41	20MHz	64QAM	41490	50RB#0	20.27	PASS
Band41	20MHz	64QAM	41490	50RB#25	20.25	PASS
Band41	20MHz	64QAM	41490	50RB#50	20.25	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.22	PASS

3.6. Environmental Conditions

Date of test：Jan.05, 2023 – Jan.06, 2023
Date of EUT Receive：Jan.05, 2023

Date of test：Jul.08, 2022 – Jul.21, 2022
Date of EUT Receive：Jul.08, 2022
Temperature: (22-26) °C
Relative Humidity: (44-51)%
Air Pressure: (100.7-101.9) kPa

3.7. Special Accessories

Not available for this EUT intended for grant.

3.8. Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Conducted test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB18827	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	Apr.26, 2022	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Jun.06, 2022	1 Year
SB7941/02	Signal Analyzer	Rohde & Schwarz	FSU26	Apr.26, 2022	1 Year
SB20321/01	Signal Analyzer	Rohde & Schwarz	FSV30	Apr.26, 2022	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	--	--
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Mar.01, 2022	1 Year
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Dec.16, 2022	1 Year
--	Test Software	Tonscend	JS1120	--	--

Radiated spurious test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Jan.20, 2022	1 Year
SB9054/08	Bilog Antenna	Schwarzbeck	VULB9163	Dec.30, 2021	1 Year
SB9054/08	Bilog Antenna	Schwarzbeck	VULB9163	Dec.20, 2022	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Dec.03, 2021	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Nov.28, 2022	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	Mar.09, 2020	3 Year
SB8501/12	Horn Antenna	ETS-Lindgren	3160-10	Mar.17, 2020	3 Year
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Jan.20, 2022	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Jan.20, 2022	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Jan.20, 2022	1 Year
SB9059	Preamplifier	Rohde & Schwarz	SCU-40	Aug.10, 2022	1 Year
SB12724/06	Wideband Radio communication Tester	Rohde & Schwarz	CMW500	Apr.26, 2022	1 Year
--	Radiated Test Software	Rohde & Schwarz	EMC 32	--	--
SB9555/02	Fully Anechoic Chamber	Albatross	10.0*5.2*5.4(m)	Aug.16, 2022	1 Year
SB15044/01	Test Receiver	Rohde & Schwarz	ESW8	Sep.13, 2022	1 Year
SB12944	Broadband Antenna	Rohde & Schwarz	VULB9163	Dec.30, 2021	1 Year
SB12944	Broadband Antenna	Rohde & Schwarz	VULB9163	Dec.20, 2022	1 Year
SB18844	Semi Anechoic Chamber	Albatross	9×6×6(m)	Mar.22, 2022	1 Year

5. MEASUREMENT UNCERTAINTY

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

26dB & Occupied Bandwidth: ±0.39%

Frequency Stability: ±0.42%

Peak to Average Ratio: ±0.45 dB

Conducted power: ±0.3 dB

Conducted Spurious Emissions: ±2.0 dB

Conducted Band Edge: ±2.0 dB

Temperature: ±0.698 °C

Supply voltages:±0.15%

Radiated Emission:
30MHz~1000MHz 4.5dB
1GHz~6GHz 4.6dB
6GHz~18GHz 5.1dB
18GHz~26.5GHz 5.1dB

6. TEST ITEMS

6.1. Conducted Power & Effective Radiated Power

6.1.1. Test Standard

FCC: CFR Part 2.1046, CFR Part 22.913, CFR Part 24.232, CFR Part 27.50

6.1.2. Test Limit

22.913 (a) Effective radiated power limits.
The effective radiated power (ERP) of mobile transmitters must not exceed 7 Watts.

24.232 (c) mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

27.50 (b)(10)Portable stations (hand-held de-vices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP.
27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held)stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.
27.50 (c)The following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band (10) Portable stations (hand-held de-vices) are limited to 3 watts ERP.
27.50 (h) (2) Mobile and other user stations. Mobilestations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

6.1.3. Test Procedure

KDB 971168 Section 5.6
EIRP (dBm) = ERP (dBm) + 2.15 (dB)
ERP/EIRP = PMeas + GT − LC
where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);
PMeas = measured transmitter output power or PSD, in dBm or dBW;
GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.
EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers.

6.1.4. Test Data

Please refer to Appendix A

6.2. Peak to Average Radio

6.2.1. Test Standard

FCC: CFR 47 (FCC) part 22.913, 24.232(d), 27.50

6.2.2. Test Limit

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

6.2.3. Test Procedure

According to KDB 971168 D01, there is CCDF procedure for PAPR:
Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

Set resolution/measurement bandwidth ⩾ signal`s occupied bandwidth;

Set the number of counts to a value that stabilizes the measured CCDF curve;

Set the measurement interval as follows:

for continuous transmissions, set to 1 ms,

for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
Record the maximum PAPR level associated with a probability of 0.1%.

Alternate procedure for PAPR:

Use one of the procedures presented in 4.1 to measure the total peak power and record as PPk. Use one of the applicable procedures presented 4.2 to measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:
PAPR (dB) = PPk (dBm) - PAvg (dBm).

6.2.4. Test Data

Please refer to Appendix B

6.3. Occupied Bandwidth & Emission Bandwidth

6.3.1. Test Standard

FCC: CFR Part 2.1049, Part 22.913, Part 24.238, Part 27.53

6.3.2. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.
Transmitters employing digital modulation techniques-when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated.

6.3.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
2. Adjust the settings of the Universal Radio Communication Tester (CMU/CMW) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure the 99% occupied bandwidth. Record the value.
4. Set the spectrum analyzer to measure the -26 dB emission bandwidth. Record the value.
5. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

Spectrum analyzer settings: Measurement bandwidth of at least 1% of the occupied bandwidth.

6.3.4. Test Data

Please refer to Appendix C

6.4. Conducted Band Edge

6.4.1. Test Standard

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(g) & 27.53(h) & 27.53(m)

6.4.2. Test Limit

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P) dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337MHz.

By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292MHz, and 70 + 10 log (P) dB below 2288MHz.

By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365MHz, and not less than 70 + 10 log (P) dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;

On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less

than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43+10*log(P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee’s frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.

43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 90.691

Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter

power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

6.4.3.Test Procedure

1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360 . Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360 at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.
5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.
6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS). LOSS = Generator Output Power (dBm) – Analyzer reading (dBm).
7. Determine the level of spurious emissions using the following equation:
Spurious (dBm) = LVL (dBm) + LOSS (dB):
8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.
9. Determine the level of spurious emissions using the following equation:
Spurious (dBm) = LVL (dBm) + LOSS (dB):
10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)

Spectrum analyzer settings: RBW=1MHz, VBW=3*RBW

6.4.4.Test Data

Please refer to Appendix D

6.5. Conducted Spurious Emissions

6.5.1. Test Standard

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(m)

6.5.2. Test Limit

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P) dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337MHz.

By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292MHz, and 70 + 10 log (P) dB below 2288MHz.

By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365MHz, and not less than 70 + 10 log (P) dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;

On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43+10*log(P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee’s frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the

power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.

43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

6.5.3.Test Procedure

1. Connect the equipment as shown in the above diagram.
2. Set the spectrum analyzer to measure peak hold with the required settings.
3. Set the signal generator to a known output power and record the path loss in dB (LOSS) for frequencies up to the tenth harmonic of the EUT's carrier frequency.
LOSS = Generator Output Power (dBm) – Analyzer reading (dBm).
4. Replace the signal generator with the EUT.
5. Adjust the settings of the Universal Radio Communication Tester (CMU) to set the EUT to its maximum power at the required channel.
6. Set the spectrum analyzer to measure peak hold with the required settings. Offset the spectrum analyzer reference level by the path loss measured above.
7. Measure and record all spurious emissions up to the tenth harmonic of the carrier frequency.
8. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
9. If necessary steps 6 and 7 may be performed with the spectrum analyzer set to average detector.
(Note: Step 3 above is performed prior to testing and LOSS is recorded by test software. Steps 2, 6, and 7 above are performed with test software.)

6.5.4.Test Data

Please refer to Appendix E

6.6. Frequency Stability

6.6.1. Test Standard

FCC § 2.1055 & 22.355 & 24.235 & 27.54

6.6.2. Test Limit

According to part 22.355, from 821MHz to 896MHz, for mobile device, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances 2.5ppm.

FCC: §24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.Test Setup

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -30°C to +50°C in 10°C step size,

(1) With all power removed, the temperature was decreased to 0°C and permitted to stabilize for three hours.

(2) Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

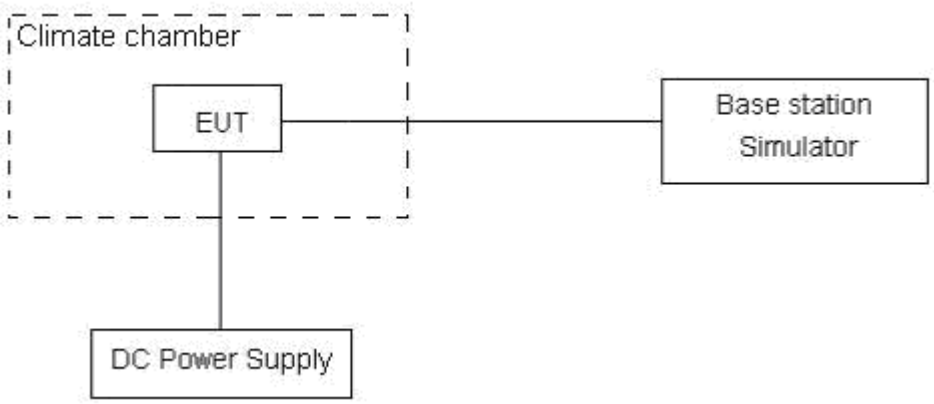
(3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

Frequency Stability (Voltage Variation)

The frequency stability shall be measured with variation of primary supply voltage as follows:

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery-operating end point which shall be specified by the manufacturer.



6.6.3. Test Data

Please refer to Appendix F

6.7. Radiated Spurious Emissions

6.7.1. Test Standard

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(m)

6.7.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.
(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

§22.917:
The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.
(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§24.238:
The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.
(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

§27.53:
(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;
(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
(h) AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 43 + 10 log (P)dB at the channel edge and 55 + 10 log (P) dB at 5.5 megahertz from the channel edges.(Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)
(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

6.7.3.Test Procedure

1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360 . Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360 at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.
5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.
6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS). LOSS = Generator Output Power (dBm) – Analyzer reading (dBm).
7. Determine the level of spurious emissions using the following equation:

Spurious (dBm) = LVL (dBm) + LOSS (dB):

8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.
9. Determine the level of spurious emissions using the following equation:

Spurious (dBm) = LVL (dBm) + LOSS (dB):

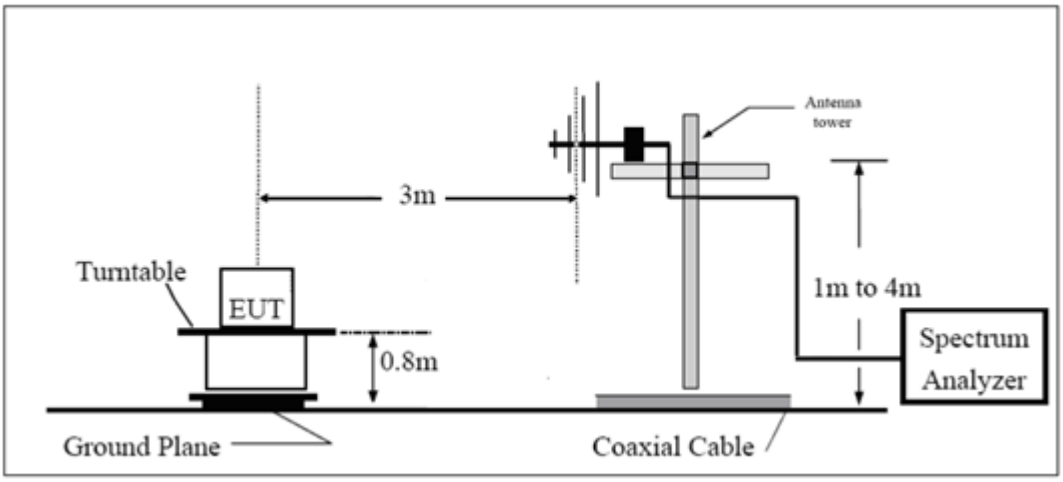
10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)

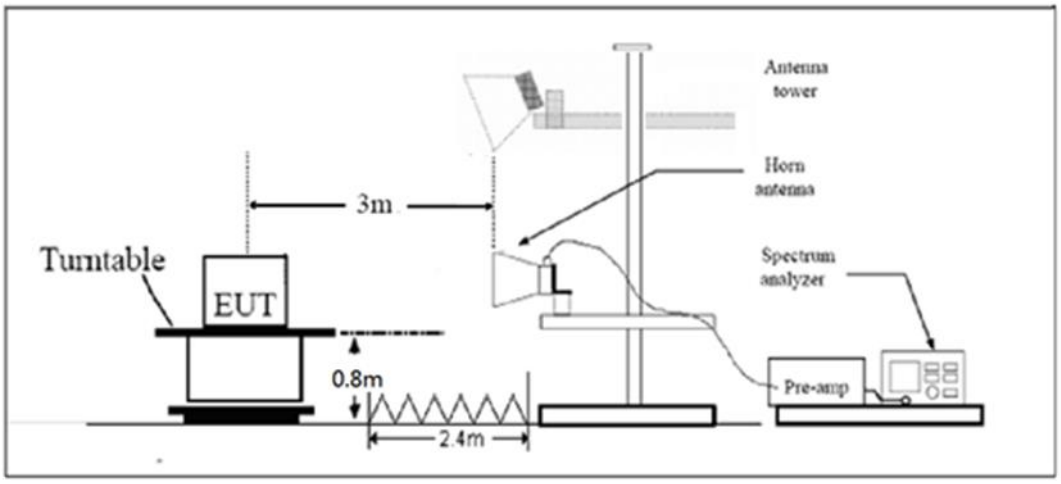
Spectrum analyzer settings: RBW=VBW=1MHz

6.7.4.Test Setup

For Radiated test from 30MHz to 1GHz



For Radiated test above 1GHz



6.7.5.Test Data

Please refer to Appendix G

7. APPENDIX A: CONDUCTED POWER & EFFECTIVE RADIATED POWER

GSM:

Band	Channel	Frequency (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
GSM850	128	824.2	**32.77**	**24.22**	38.5	PASS
GSM850	190	836.6	32.67	24.12	38.5	PASS
GSM850	251	848.8	32.62	24.07	38.5	PASS
GSM1900	512	1850.2	29.87	29.25	33	PASS
GSM1900	661	1880	29.67	29.05	33	PASS
GSM1900	810	1909.8	**29.90**	**29.28**	33	PASS
GPRS850	128	824.2	**32.81**	**24.26**	38.5	PASS
GPRS850	190	836.6	32.67	24.12	38.5	PASS
GPRS850	251	848.8	32.60	24.05	38.5	PASS
GPRS1900	512	1850.2	**29.88**	**29.26**	33	PASS
GPRS1900	661	1880	29.63	29.01	33	PASS
GPRS1900	810	1909.8	**29.88**	**29.26**	33	PASS
EGPRS850	128	824.2	**27.59**	**19.04**	38.5	PASS
EGPRS850	190	836.6	27.57	19.02	38.5	PASS
EGPRS850	251	848.8	27.25	18.70	38.5	PASS
EGPRS1900	512	1850.2	26.43	25.81	33	PASS
EGPRS1900	661	1880	26.25	25.63	33	PASS
EGPRS1900	810	1909.8	**26.61**	**25.99**	33	PASS

WCDMA:

Band	Channel	Frequency (MHz)	Conducted Power(dBm)	ERP/EIRP (dBm)	Limit(dBm)	Verdict
Band5	4132	826.4	**24.20**	**15.65**	38.5	PASS
Band5	4182	836.4	24.19	15.64	38.5	PASS
Band5	4233	846.6	**24.20**	**15.65**	38.5	PASS

LTE:

LTE Band 5 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20407	824.7	1	0	23.02	-6.4	14.47	38.5	Pass
			1	3	23.11	-6.4	14.56	38.5	Pass
			1	5	23.01	-6.4	14.46	38.5	Pass
			3	0	23.11	-6.4	14.56	38.5	Pass
			3	2	**23.15**	-6.4	**14.60**	38.5	Pass
			3	3	23.08	-6.4	14.53	38.5	Pass
			6	0	22.15	-6.4	13.60	38.5	Pass
	20525	836.5	1	0	22.98	-6.4	14.43	38.5	Pass
			1	3	23.09	-6.4	14.54	38.5	Pass
			1	5	22.98	-6.4	14.43	38.5	Pass
			3	0	23.10	-6.4	14.55	38.5	Pass
			3	2	23.11	-6.4	14.56	38.5	Pass
			3	3	23.10	-6.4	14.55	38.5	Pass
			6	0	22.15	-6.4	13.60	38.5	Pass
	20643	848.3	1	0	22.94	-6.4	14.39	38.5	Pass
			1	3	23.06	-6.4	14.51	38.5	Pass
			1	5	22.95	-6.4	14.40	38.5	Pass
			3	0	23.05	-6.4	14.50	38.5	Pass
			3	2	23.04	-6.4	14.49	38.5	Pass
			3	3	23.05	-6.4	14.50	38.5	Pass
			6	0	22.09	-6.4	13.54	38.5	Pass
16QAM	20407	824.7	1	0	22.32	-6.4	13.77	38.5	Pass
			1	3	22.36	-6.4	13.81	38.5	Pass
			1	5	22.28	-6.4	13.73	38.5	Pass
			3	0	22.21	-6.4	13.66	38.5	Pass
			3	2	22.26	-6.4	13.71	38.5	Pass
			3	3	22.16	-6.4	13.61	38.5	Pass
			6	0	21.21	-6.4	12.66	38.5	Pass
	20525	836.5	1	0	22.22	-6.4	13.67	38.5	Pass
			1	3	**22.42**	-6.4	**13.87**	38.5	Pass
			1	5	22.24	-6.4	13.69	38.5	Pass
			3	0	22.24	-6.4	13.69	38.5	Pass
			3	2	22.28	-6.4	13.73	38.5	Pass
			3	3	22.20	-6.4	13.65	38.5	Pass
			6	0	21.22	-6.4	12.67	38.5	Pass
	20643	848.3	1	0	22.28	-6.4	13.73	38.5	Pass
			1	3	22.35	-6.4	13.80	38.5	Pass
			1	5	22.12	-6.4	13.57	38.5	Pass

			3	0	22.15	-6.4	13.60	38.5	Pass
			3	2	22.19	-6.4	13.64	38.5	Pass
			3	3	22.11	-6.4	13.56	38.5	Pass
			6	0	21.16	-6.4	12.61	38.5	Pass
	20407	824.7	1	0	21.88	-6.4	13.33	38.5	Pass
			1	3	**21.93**	-6.4	**13.38**	38.5	Pass
			1	5	21.82	-6.4	13.27	38.5	Pass
			3	0	21.82	-6.4	13.27	38.5	Pass
			3	2	21.86	-6.4	13.31	38.5	Pass
			3	3	21.86	-6.4	13.31	38.5	Pass
			6	0	20.74	-6.4	12.19	38.5	Pass
	20525	836.5	1	0	21.75	-6.4	13.20	38.5	Pass
			1	3	21.78	-6.4	13.23	38.5	Pass
			1	5	21.79	-6.4	13.24	38.5	Pass
64QAM			3	0	21.77	-6.4	13.22	38.5	Pass
			3	2	21.83	-6.4	13.28	38.5	Pass
			3	3	21.81	-6.4	13.26	38.5	Pass
			6	0	20.73	-6.4	12.18	38.5	Pass
	20643	848.3	1	0	21.78	-6.4	13.23	38.5	Pass
			1	3	21.79	-6.4	13.24	38.5	Pass
			1	5	21.75	-6.4	13.20	38.5	Pass
			3	0	21.78	-6.4	13.23	38.5	Pass
			3	2	21.76	-6.4	13.21	38.5	Pass
			3	3	21.75	-6.4	13.20	38.5	Pass
			6	0	20.75	-6.4	12.20	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
	20415	825.5	1	0	23.06	-6.4	14.51	38.5	Pass
			1	7	**23.23**	-6.4	**14.68**	38.5	Pass
			1	14	23.02	-6.4	14.47	38.5	Pass
			8	0	22.09	-6.4	13.54	38.5	Pass
			8	4	22.14	-6.4	13.59	38.5	Pass
			8	7	22.10	-6.4	13.55	38.5	Pass
QPSK			15	0	22.07	-6.4	13.52	38.5	Pass
	20525	836.5	1	0	23.05	-6.4	14.50	38.5	Pass
			1	7	23.18	-6.4	14.63	38.5	Pass
			1	14	23.03	-6.4	14.48	38.5	Pass
			8	0	22.11	-6.4	13.56	38.5	Pass
			8	4	22.11	-6.4	13.56	38.5	Pass
			8	7	22.07	-6.4	13.52	38.5	Pass

			15	0	22.09	-6.4	13.54	38.5	Pass
	20635	847.5	1	0	23.02	-6.4	14.47	38.5	Pass
			1	7	23.11	-6.4	14.56	38.5	Pass
			1	14	22.97	-6.4	14.42	38.5	Pass
			8	0	22.06	-6.4	13.51	38.5	Pass
			8	4	22.07	-6.4	13.52	38.5	Pass
			8	7	22.03	-6.4	13.48	38.5	Pass
			15	0	22.07	-6.4	13.52	38.5	Pass
16QAM	20415	825.5	1	0	22.31	-6.4	13.76	38.5	Pass
			1	7	22.39	-6.4	13.84	38.5	Pass
			1	14	22.37	-6.4	13.82	38.5	Pass
			8	0	21.12	-6.4	12.57	38.5	Pass
			8	4	21.19	-6.4	12.64	38.5	Pass
			8	7	21.13	-6.4	12.58	38.5	Pass
			15	0	21.06	-6.4	12.51	38.5	Pass
	20525	836.5	1	0	22.36	-6.4	13.81	38.5	Pass
			1	7	**22.46**	-6.4	**13.91**	38.5	Pass
			1	14	22.29	-6.4	13.74	38.5	Pass
			8	0	21.15	-6.4	12.60	38.5	Pass
			8	4	21.14	-6.4	12.59	38.5	Pass
			8	7	21.13	-6.4	12.58	38.5	Pass
			15	0	21.05	-6.4	12.50	38.5	Pass
	20635	847.5	1	0	22.23	-6.4	13.68	38.5	Pass
			1	7	22.30	-6.4	13.75	38.5	Pass
			1	14	22.21	-6.4	13.66	38.5	Pass
			8	0	21.14	-6.4	12.59	38.5	Pass
			8	4	21.11	-6.4	12.56	38.5	Pass
			8	7	21.09	-6.4	12.54	38.5	Pass
			15	0	21.01	-6.4	12.46	38.5	Pass
64QAM	20415	825.5	1	0	21.86	-6.4	13.31	38.5	Pass
			1	7	**22.06**	-6.4	**13.51**	38.5	Pass
			1	14	21.83	-6.4	13.28	38.5	Pass
			8	0	20.73	-6.4	12.18	38.5	Pass
			8	4	20.72	-6.4	12.17	38.5	Pass
			8	7	20.73	-6.4	12.18	38.5	Pass
			15	0	20.70	-6.4	12.15	38.5	Pass
	20525	836.5	1	0	21.82	-6.4	13.27	38.5	Pass
			1	7	21.83	-6.4	13.28	38.5	Pass
			1	14	21.77	-6.4	13.22	38.5	Pass
			8	0	20.66	-6.4	12.11	38.5	Pass
			8	4	20.68	-6.4	12.13	38.5	Pass
			8	7	20.61	-6.4	12.06	38.5	Pass
			15	0	20.63	-6.4	12.08	38.5	Pass

	20635	847.5	1	0	21.71	-6.4	13.16	38.5	Pass
			1	7	21.78	-6.4	13.23	38.5	Pass
			1	14	21.73	-6.4	13.18	38.5	Pass
			8	0	20.66	-6.4	12.11	38.5	Pass
			8	4	20.63	-6.4	12.08	38.5	Pass
			8	7	20.64	-6.4	12.09	38.5	Pass
			15	0	20.70	-6.4	12.15	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20425	826.5	1	0	23.01	-6.4	14.46	38.5	Pass
			1	12	**23.21**	-6.4	**14.66**	38.5	Pass
			1	24	22.99	-6.4	14.44	38.5	Pass
			12	0	22.12	-6.4	13.57	38.5	Pass
			12	6	22.16	-6.4	13.61	38.5	Pass
			12	13	22.10	-6.4	13.55	38.5	Pass
			25	0	22.14	-6.4	13.59	38.5	Pass
	20525	836.5	1	0	22.99	-6.4	14.44	38.5	Pass
			1	12	23.17	-6.4	14.62	38.5	Pass
			1	24	22.96	-6.4	14.41	38.5	Pass
			12	0	22.15	-6.4	13.60	38.5	Pass
			12	6	22.16	-6.4	13.61	38.5	Pass
			12	13	22.10	-6.4	13.55	38.5	Pass
			25	0	22.13	-6.4	13.58	38.5	Pass
	20625	846.5	1	0	22.97	-6.4	14.42	38.5	Pass
			1	12	23.13	-6.4	14.58	38.5	Pass
			1	24	22.92	-6.4	14.37	38.5	Pass
			12	0	22.13	-6.4	13.58	38.5	Pass
			12	6	22.12	-6.4	13.57	38.5	Pass
			12	13	22.01	-6.4	13.46	38.5	Pass
			25	0	22.09	-6.4	13.54	38.5	Pass
16QAM	20425	826.5	1	0	22.24	-6.4	13.69	38.5	Pass
			1	12	22.44	-6.4	13.89	38.5	Pass
			1	24	22.23	-6.4	13.68	38.5	Pass
			12	0	21.14	-6.4	12.59	38.5	Pass
			12	6	21.17	-6.4	12.62	38.5	Pass
			12	13	21.11	-6.4	12.56	38.5	Pass
			25	0	21.13	-6.4	12.58	38.5	Pass
	20525	836.5	1	0	22.21	-6.4	13.66	38.5	Pass
			1	12	22.43	-6.4	13.88	38.5	Pass
			1	24	22.30	-6.4	13.75	38.5	Pass

			12	0	21.12	-6.4	12.57	38.5	Pass
			12	6	21.17	-6.4	12.62	38.5	Pass
			12	13	21.08	-6.4	12.53	38.5	Pass
			25	0	21.13	-6.4	12.58	38.5	Pass
	20625	846.5	1	0	22.28	-6.4	13.73	38.5	Pass
			1	12	**22.47**	-6.4	**13.92**	38.5	Pass
			1	24	22.10	-6.4	13.55	38.5	Pass
			12	0	21.16	-6.4	12.61	38.5	Pass
			12	6	21.16	-6.4	12.61	38.5	Pass
			12	13	21.04	-6.4	12.49	38.5	Pass
			25	0	21.11	-6.4	12.56	38.5	Pass
64QAM	20425	826.5	1	0	21.80	-6.4	13.25	38.5	Pass
			1	12	**21.94**	-6.4	**13.39**	38.5	Pass
			1	24	21.75	-6.4	13.20	38.5	Pass
			12	0	20.76	-6.4	12.21	38.5	Pass
			12	6	20.77	-6.4	12.22	38.5	Pass
			12	13	20.69	-6.4	12.14	38.5	Pass
			25	0	20.78	-6.4	12.23	38.5	Pass
	20525	836.5	1	0	21.77	-6.4	13.22	38.5	Pass
			1	12	21.86	-6.4	13.31	38.5	Pass
			1	24	21.73	-6.4	13.18	38.5	Pass
			12	0	20.68	-6.4	12.13	38.5	Pass
			12	6	20.69	-6.4	12.14	38.5	Pass
			12	13	20.66	-6.4	12.11	38.5	Pass
			25	0	20.71	-6.4	12.16	38.5	Pass
	20625	846.5	1	0	21.69	-6.4	13.14	38.5	Pass
			1	12	21.85	-6.4	13.30	38.5	Pass
			1	24	21.68	-6.4	13.13	38.5	Pass
			12	0	20.74	-6.4	12.19	38.5	Pass
			12	6	20.72	-6.4	12.17	38.5	Pass
			12	13	20.63	-6.4	12.08	38.5	Pass
			25	0	20.74	-6.4	12.19	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20450	829	1	0	23.00	-6.4	14.45	38.5	Pass
			1	24	**23.16**	-6.4	**14.61**	38.5	Pass
			1	49	22.99	-6.4	14.44	38.5	Pass
			25	0	22.17	-6.4	13.62	38.5	Pass
			25	12	22.14	-6.4	13.59	38.5	Pass
			25	25	22.12	-6.4	13.57	38.5	Pass

			50	0	22.14	-6.4	13.59	38.5	Pass
	20525	836.5	1	0	23.03	-6.4	14.48	38.5	Pass
			1	24	23.08	-6.4	14.53	38.5	Pass
			1	49	22.97	-6.4	14.42	38.5	Pass
			25	0	22.14	-6.4	13.59	38.5	Pass
			25	12	22.14	-6.4	13.59	38.5	Pass
			25	25	22.09	-6.4	13.54	38.5	Pass
			50	0	22.13	-6.4	13.58	38.5	Pass
	20600	844	1	0	22.99	-6.4	14.44	38.5	Pass
			1	24	23.08	-6.4	14.53	38.5	Pass
			1	49	22.95	-6.4	14.40	38.5	Pass
			25	0	22.16	-6.4	13.61	38.5	Pass
			25	12	22.09	-6.4	13.54	38.5	Pass
			25	25	22.00	-6.4	13.45	38.5	Pass
			50	0	22.09	-6.4	13.54	38.5	Pass
16QAM	20450	829	1	0	22.30	-6.4	13.75	38.5	Pass
			1	24	22.43	-6.4	13.88	38.5	Pass
			1	49	22.25	-6.4	13.70	38.5	Pass
			25	0	21.16	-6.4	12.61	38.5	Pass
			25	12	21.11	-6.4	12.56	38.5	Pass
			25	25	21.13	-6.4	12.58	38.5	Pass
			50	0	21.12	-6.4	12.57	38.5	Pass
	20525	836.5	1	0	22.35	-6.4	13.80	38.5	Pass
			1	24	**22.47**	-6.4	**13.92**	38.5	Pass
			1	49	22.20	-6.4	13.65	38.5	Pass
			25	0	21.15	-6.4	12.60	38.5	Pass
			25	12	21.13	-6.4	12.58	38.5	Pass
			25	25	21.11	-6.4	12.56	38.5	Pass
			50	0	21.09	-6.4	12.54	38.5	Pass
	20600	844	1	0	22.19	-6.4	13.64	38.5	Pass
			1	24	22.38	-6.4	13.83	38.5	Pass
			1	49	22.18	-6.4	13.63	38.5	Pass
			25	0	21.15	-6.4	12.60	38.5	Pass
			25	12	21.10	-6.4	12.55	38.5	Pass
			25	25	21.01	-6.4	12.46	38.5	Pass
			50	0	21.10	-6.4	12.55	38.5	Pass
64QAM	20450	829	1	0	21.83	-6.4	13.28	38.5	Pass
			1	24	**21.90**	-6.4	**13.35**	38.5	Pass
			1	49	21.74	-6.4	13.19	38.5	Pass
			25	0	20.83	-6.4	12.28	38.5	Pass
			25	12	20.76	-6.4	12.21	38.5	Pass
			25	25	20.76	-6.4	12.21	38.5	Pass
			50	0	20.79	-6.4	12.24	38.5	Pass

	20525	836.5	1	0	21.73	-6.4	13.18	38.5	Pass
			1	24	21.80	-6.4	13.25	38.5	Pass
			1	49	21.80	-6.4	13.25	38.5	Pass
			25	0	20.79	-6.4	12.24	38.5	Pass
			25	12	20.72	-6.4	12.17	38.5	Pass
			25	25	20.72	-6.4	12.17	38.5	Pass
			50	0	20.71	-6.4	12.16	38.5	Pass
	20600	844	1	0	21.73	-6.4	13.18	38.5	Pass
			1	24	21.79	-6.4	13.24	38.5	Pass
			1	49	21.75	-6.4	13.20	38.5	Pass
			25	0	20.81	-6.4	12.26	38.5	Pass
			25	12	20.77	-6.4	12.22	38.5	Pass
			25	25	20.63	-6.4	12.08	38.5	Pass
			50	0	20.75	-6.4	12.20	38.5	Pass

LTE Band 7 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20775	2502.5	1	0	22.28	0.8	23.08	33	Pass
			1	12	22.39	0.8	23.19	33	Pass
			1	24	22.24	0.8	23.04	33	Pass
			12	0	21.32	0.8	22.12	33	Pass
			12	6	21.36	0.8	22.16	33	Pass
			12	13	21.36	0.8	22.16	33	Pass
			25	0	21.36	0.8	22.16	33	Pass
	21100	2535	1	0	22.25	0.8	23.05	33	Pass
			1	12	22.35	0.8	23.15	33	Pass
			1	24	22.19	0.8	22.99	33	Pass
			12	0	21.30	0.8	22.10	33	Pass
			12	6	21.31	0.8	22.11	33	Pass
			12	13	21.27	0.8	22.07	33	Pass
			25	0	21.29	0.8	22.09	33	Pass
	21425	2567.5	1	0	22.35	0.8	23.15	33	Pass
			1	12	**22.53**	0.8	**23.33**	33	Pass
			1	24	22.27	0.8	23.07	33	Pass
			12	0	21.42	0.8	22.22	33	Pass
			12	6	21.42	0.8	22.22	33	Pass
			12	13	21.33	0.8	22.13	33	Pass
			25	0	21.37	0.8	22.17	33	Pass
16QAM	20775	2502.5	1	0	21.45	0.8	22.25	33	Pass
			1	12	21.49	0.8	22.29	33	Pass
			1	24	21.46	0.8	22.26	33	Pass

			12	0	20.32	0.8	21.12	33	Pass
			12	6	20.33	0.8	21.13	33	Pass
			12	13	20.35	0.8	21.15	33	Pass
			25	0	20.32	0.8	21.12	33	Pass
	21100	2535	1	0	21.55	0.8	22.35	33	Pass
			1	12	21.59	0.8	22.39	33	Pass
			1	24	21.53	0.8	22.33	33	Pass
			12	0	20.27	0.8	21.07	33	Pass
			12	6	20.30	0.8	21.10	33	Pass
			12	13	20.26	0.8	21.06	33	Pass
			25	0	20.28	0.8	21.08	33	Pass
	21425	2567.5	1	0	21.60	0.8	22.40	33	Pass
			1	12	**21.64**	0.8	**22.44**	33	Pass
			1	24	21.52	0.8	22.32	33	Pass
			12	0	20.41	0.8	21.21	33	Pass
			12	6	20.37	0.8	21.17	33	Pass
			12	13	20.30	0.8	21.10	33	Pass
			25	0	20.35	0.8	21.15	33	Pass
64QAM	20775	2502.5	1	0	21.30	0.8	22.10	33	Pass
			1	12	**21.47**	0.8	**22.27**	33	Pass
			1	24	21.27	0.8	22.07	33	Pass
			12	0	20.21	0.8	21.01	33	Pass
			12	6	20.22	0.8	21.02	33	Pass
			12	13	20.23	0.8	21.03	33	Pass
			25	0	20.23	0.8	21.03	33	Pass
	21100	2535	1	0	21.31	0.8	22.11	33	Pass
			1	12	21.35	0.8	22.15	33	Pass
			1	24	21.18	0.8	21.98	33	Pass
			12	0	20.18	0.8	20.98	33	Pass
			12	6	20.17	0.8	20.97	33	Pass
			12	13	20.13	0.8	20.93	33	Pass
			25	0	20.17	0.8	20.97	33	Pass
	21425	2567.5	1	0	21.35	0.8	22.15	33	Pass
			1	12	21.46	0.8	22.26	33	Pass
			1	24	21.30	0.8	22.10	33	Pass
			12	0	20.23	0.8	21.03	33	Pass
			12	6	20.20	0.8	21.00	33	Pass
			12	13	20.15	0.8	20.95	33	Pass
			25	0	20.22	0.8	21.02	33	Pass

LTE Band 7 ,Channel Bandwidth: 10 MHz								
Modulation	Channel	Frequency (MHz)	RB Configuration	Conducted Average	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit	Verdict

			Size	Offset	Power [dBm]			[dBm]	
QPSK	20800	2505	1	0	22.26	0.8	23.06	33	Pass
			1	24	22.37	0.8	23.17	33	Pass
			1	49	22.26	0.8	23.06	33	Pass
			25	0	21.32	0.8	22.12	33	Pass
			25	12	21.35	0.8	22.15	33	Pass
			25	25	21.42	0.8	22.22	33	Pass
			50	0	21.37	0.8	22.17	33	Pass
	21100	2535	1	0	22.27	0.8	23.07	33	Pass
			1	24	22.35	0.8	23.15	33	Pass
			1	49	22.24	0.8	23.04	33	Pass
			25	0	21.38	0.8	22.18	33	Pass
			25	12	21.32	0.8	22.12	33	Pass
			25	25	21.35	0.8	22.15	33	Pass
			50	0	21.38	0.8	22.18	33	Pass
	21400	2565	1	0	22.41	0.8	23.21	33	Pass
			1	24	**22.42**	0.8	**23.22**	33	Pass
			1	49	22.30	0.8	23.10	33	Pass
			25	0	21.50	0.8	22.30	33	Pass
			25	12	21.41	0.8	22.21	33	Pass
			25	25	21.35	0.8	22.15	33	Pass
			50	0	21.40	0.8	22.20	33	Pass
16QAM	20800	2505	1	0	21.59	0.8	22.39	33	Pass
			1	24	21.53	0.8	22.33	33	Pass
			1	49	21.47	0.8	22.27	33	Pass
			25	0	20.31	0.8	21.11	33	Pass
			25	12	20.33	0.8	21.13	33	Pass
			25	25	20.41	0.8	21.21	33	Pass
			50	0	20.36	0.8	21.16	33	Pass
	21100	2535	1	0	21.52	0.8	22.32	33	Pass
			1	24	**21.64**	0.8	**22.44**	33	Pass
			1	49	21.39	0.8	22.19	33	Pass
			25	0	20.34	0.8	21.14	33	Pass
			25	12	20.28	0.8	21.08	33	Pass
			25	25	20.36	0.8	21.16	33	Pass
			50	0	20.36	0.8	21.16	33	Pass
	21400	2565	1	0	21.57	0.8	22.37	33	Pass
			1	24	21.60	0.8	22.40	33	Pass
			1	49	21.56	0.8	22.36	33	Pass
			25	0	20.48	0.8	21.28	33	Pass
			25	12	20.39	0.8	21.19	33	Pass
			25	25	20.31	0.8	21.11	33	Pass
			50	0	20.38	0.8	21.18	33	Pass

	20800	2505	1	0	21.26	0.8	22.06	33	Pass
			1	24	21.33	0.8	22.13	33	Pass
			1	49	21.34	0.8	22.14	33	Pass
			25	0	20.19	0.8	20.99	33	Pass
			25	12	20.22	0.8	21.02	33	Pass
			25	25	20.32	0.8	21.12	33	Pass
			50	0	20.31	0.8	21.11	33	Pass
	21100	2535	1	0	21.25	0.8	22.05	33	Pass
			1	24	21.35	0.8	22.15	33	Pass
			1	49	21.24	0.8	22.04	33	Pass
64QAM			25	0	20.25	0.8	21.05	33	Pass
			25	12	20.20	0.8	21.00	33	Pass
			25	25	20.24	0.8	21.04	33	Pass
			50	0	20.22	0.8	21.02	33	Pass
	21400	2565	1	0	21.34	0.8	22.14	33	Pass
			1	24	**21.37**	0.8	**22.17**	33	Pass
			1	49	21.33	0.8	22.13	33	Pass
			25	0	20.28	0.8	21.08	33	Pass
			25	12	20.24	0.8	21.04	33	Pass
			25	25	20.21	0.8	21.01	33	Pass
			50	0	20.25	0.8	21.05	33	Pass

LTE Band 7 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
	20825	2507.5	1	0	22.24	0.8	23.04	33	Pass
			1	37	22.27	0.8	23.07	33	Pass
			1	74	22.17	0.8	22.97	33	Pass
			37	0	22.26	0.8	23.06	33	Pass
			37	18	22.30	0.8	23.10	33	Pass
			37	38	22.39	0.8	23.19	33	Pass
			75	0	21.33	0.8	22.13	33	Pass
	21100	2535	1	0	22.23	0.8	23.03	33	Pass
QPSK			1	37	22.25	0.8	23.05	33	Pass
			1	74	22.18	0.8	22.98	33	Pass
			37	0	22.24	0.8	23.04	33	Pass
			37	18	22.30	0.8	23.10	33	Pass
			37	38	22.36	0.8	23.16	33	Pass
			75	0	21.38	0.8	22.18	33	Pass
	21375	2562.5	1	0	22.27	0.8	23.07	33	Pass
			1	37	22.33	0.8	23.13	33	Pass
			1	74	22.21	0.8	23.01	33	Pass

			37	0	22.21	0.8	23.01	33	Pass
			37	18	22.40	0.8	23.20	33	Pass
			37	38	**22.46**	0.8	**23.26**	33	Pass
			75	0	21.39	0.8	22.19	33	Pass
	20825	2507.5	1	0	21.47	0.8	22.27	33	Pass
			1	37	21.48	0.8	22.28	33	Pass
			1	74	21.39	0.8	22.19	33	Pass
			37	0	21.50	0.8	22.30	33	Pass
			37	18	21.46	0.8	22.26	33	Pass
			37	38	21.61	0.8	22.41	33	Pass
			75	0	20.30	0.8	21.10	33	Pass
	21100	2535	1	0	21.48	0.8	22.28	33	Pass
			1	37	21.48	0.8	22.28	33	Pass
			1	74	21.39	0.8	22.19	33	Pass
16QAM			37	0	21.47	0.8	22.27	33	Pass
			37	18	21.58	0.8	22.38	33	Pass
			37	38	21.66	0.8	22.46	33	Pass
			75	0	20.37	0.8	21.17	33	Pass
	21375	2562.5	1	0	21.49	0.8	22.29	33	Pass
			1	37	21.58	0.8	22.38	33	Pass
			1	74	21.44	0.8	22.24	33	Pass
			37	0	21.57	0.8	22.37	33	Pass
			37	18	21.67	0.8	22.47	33	Pass
			37	38	**21.77**	0.8	**22.57**	33	Pass
			75	0	20.37	0.8	21.17	33	Pass
	20825	2507.5	1	0	21.26	0.8	22.06	33	Pass
			1	37	21.31	0.8	22.11	33	Pass
			1	74	21.30	0.8	22.10	33	Pass
			37	0	21.23	0.8	22.03	33	Pass
			37	18	21.31	0.8	22.11	33	Pass
			37	38	**21.39**	0.8	**22.19**	33	Pass
			75	0	20.24	0.8	21.04	33	Pass
	21100	2535	1	0	21.19	0.8	21.99	33	Pass
			1	37	21.27	0.8	22.07	33	Pass
64QAM			1	74	21.16	0.8	21.96	33	Pass
			37	0	21.26	0.8	22.06	33	Pass
			37	18	21.27	0.8	22.07	33	Pass
			37	38	21.37	0.8	22.17	33	Pass
			75	0	20.26	0.8	21.06	33	Pass
	21375	2562.5	1	0	21.19	0.8	21.99	33	Pass
			1	37	21.31	0.8	22.11	33	Pass
			1	74	21.23	0.8	22.03	33	Pass
			37	0	21.22	0.8	22.02	33	Pass

			37	18	**21.39**	0.8	**22.19**	33	Pass
			37	38	21.37	0.8	22.17	33	Pass
			75	0	20.22	0.8	21.02	33	Pass

LTE Band 7 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20850	2510	1	0	22.16	0.8	22.96	33	Pass
			1	49	22.36	0.8	23.16	33	Pass
			1	99	22.05	0.8	22.85	33	Pass
			50	0	21.18	0.8	21.98	33	Pass
			50	25	21.31	0.8	22.11	33	Pass
			50	50	21.43	0.8	22.23	33	Pass
			100	0	21.33	0.8	22.13	33	Pass
	21100	2535	1	0	22.12	0.8	22.92	33	Pass
			1	49	22.35	0.8	23.15	33	Pass
			1	99	22.06	0.8	22.86	33	Pass
			50	0	21.40	0.8	22.20	33	Pass
			50	25	21.35	0.8	22.15	33	Pass
			50	50	21.34	0.8	22.14	33	Pass
			100	0	21.39	0.8	22.19	33	Pass
	21350	2560	1	0	22.15	0.8	22.95	33	Pass
			1	49	**22.44**	0.8	**23.24**	33	Pass
			1	99	22.12	0.8	22.92	33	Pass
			50	0	21.36	0.8	22.16	33	Pass
			50	25	21.47	0.8	22.27	33	Pass
			50	50	21.34	0.8	22.14	33	Pass
			100	0	21.35	0.8	22.15	33	Pass
16QAM	20850	2510	1	0	21.40	0.8	22.20	33	Pass
			1	49	21.57	0.8	22.37	33	Pass
			1	99	21.30	0.8	22.10	33	Pass
			50	0	20.16	0.8	20.96	33	Pass
			50	25	20.31	0.8	21.11	33	Pass
			50	50	20.41	0.8	21.21	33	Pass
			100	0	20.30	0.8	21.10	33	Pass
	21100	2535	1	0	21.35	0.8	22.15	33	Pass
			1	49	21.48	0.8	22.28	33	Pass
			1	99	21.35	0.8	22.15	33	Pass
			50	0	20.38	0.8	21.18	33	Pass
			50	25	20.37	0.8	21.17	33	Pass
			50	50	20.33	0.8	21.13	33	Pass
			100	0	20.37	0.8	21.17	33	Pass

	21350	2560	1	0	21.44	0.8	22.24	33	Pass
			1	49	**21.74**	0.8	**22.54**	33	Pass
			1	99	21.30	0.8	22.10	33	Pass
			50	0	20.36	0.8	21.16	33	Pass
			50	25	20.42	0.8	21.22	33	Pass
			50	50	20.33	0.8	21.13	33	Pass
			100	0	20.35	0.8	21.15	33	Pass
64QAM	20850	2510	1	0	21.03	0.8	21.83	33	Pass
			1	49	21.39	0.8	22.19	33	Pass
			1	99	21.07	0.8	21.87	33	Pass
			50	0	20.10	0.8	20.90	33	Pass
			50	25	20.24	0.8	21.04	33	Pass
			50	50	20.29	0.8	21.09	33	Pass
			100	0	20.20	0.8	21.00	33	Pass
	21100	2535	1	0	21.08	0.8	21.88	33	Pass
			1	49	21.36	0.8	22.16	33	Pass
			1	99	20.97	0.8	21.77	33	Pass
			50	0	20.26	0.8	21.06	33	Pass
			50	25	20.23	0.8	21.03	33	Pass
			50	50	20.21	0.8	21.01	33	Pass
			100	0	20.22	0.8	21.02	33	Pass
	21350	2560	1	0	21.11	0.8	21.91	33	Pass
			1	49	**21.42**	0.8	**22.22**	33	Pass
			1	99	21.10	0.8	21.90	33	Pass
			50	0	20.17	0.8	20.97	33	Pass
			50	25	20.24	0.8	21.04	33	Pass
			50	50	20.22	0.8	21.02	33	Pass
			100	0	20.19	0.8	20.99	33	Pass

LTE Band 38 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37775	2572.5	1	0	23.13	0.91	24.04	33	Pass
			1	12	23.15	0.91	24.06	33	Pass
			1	24	23.05	0.91	23.96	33	Pass
			12	0	22.06	0.91	22.97	33	Pass
			12	6	22.08	0.91	22.99	33	Pass
			12	13	22.03	0.91	22.94	33	Pass
			25	0	22.09	0.91	23.00	33	Pass
	38000	2595	1	0	23.03	0.91	23.94	33	Pass
			1	12	**23.21**	0.91	**24.12**	33	Pass
			1	24	23.03	0.91	23.94	33	Pass

			12	0	22.07	0.91	22.98	33	Pass
			12	6	22.10	0.91	23.01	33	Pass
			12	13	22.06	0.91	22.97	33	Pass
			25	0	22.09	0.91	23.00	33	Pass
	38225	2617.5	1	0	23.09	0.91	24.00	33	Pass
			1	12	23.20	0.91	24.11	33	Pass
			1	24	23.10	0.91	24.01	33	Pass
			12	0	22.14	0.91	23.05	33	Pass
			12	6	22.15	0.91	23.06	33	Pass
			12	13	22.15	0.91	23.06	33	Pass
			25	0	22.18	0.91	23.09	33	Pass
16QAM	37775	2572.5	1	0	22.14	0.91	23.05	33	Pass
			1	12	22.23	0.91	23.14	33	Pass
			1	24	22.07	0.91	22.98	33	Pass
			12	0	21.16	0.91	22.07	33	Pass
			12	6	21.12	0.91	22.03	33	Pass
			12	13	21.10	0.91	22.01	33	Pass
			25	0	21.09	0.91	22.00	33	Pass
	38000	2595	1	0	22.12	0.91	23.03	33	Pass
			1	12	**22.28**	0.91	**23.19**	33	Pass
			1	24	22.10	0.91	23.01	33	Pass
			12	0	21.08	0.91	21.99	33	Pass
			12	6	21.12	0.91	22.03	33	Pass
			12	13	21.10	0.91	22.01	33	Pass
			25	0	21.06	0.91	21.97	33	Pass
	38225	2617.5	1	0	22.17	0.91	23.08	33	Pass
			1	12	22.24	0.91	23.15	33	Pass
			1	24	22.16	0.91	23.07	33	Pass
			12	0	21.16	0.91	22.07	33	Pass
			12	6	21.16	0.91	22.07	33	Pass
			12	13	21.19	0.91	22.10	33	Pass
			25	0	21.13	0.91	22.04	33	Pass
64QAM	37775	2572.5	1	0	20.95	0.91	21.86	33	Pass
			1	12	21.05	0.91	21.96	33	Pass
			1	24	21.09	0.91	22.00	33	Pass
			12	0	19.99	0.91	20.90	33	Pass
			12	6	20.03	0.91	20.94	33	Pass
			12	13	19.96	0.91	20.87	33	Pass
			25	0	20.04	0.91	20.95	33	Pass
	38000	2595	1	0	20.86	0.91	21.77	33	Pass
			1	12	21.12	0.91	22.03	33	Pass
			1	24	20.96	0.91	21.87	33	Pass
			12	0	20.01	0.91	20.92	33	Pass

			12	6	20.07	0.91	20.98	33	Pass
			12	13	19.97	0.91	20.88	33	Pass
			25	0	20.06	0.91	20.97	33	Pass
	38225	2617.5	1	0	21.21	0.91	22.12	33	Pass
			1	12	21.08	0.91	21.99	33	Pass
			1	24	**21.24**	0.91	**22.15**	33	Pass
			12	0	20.03	0.91	20.94	33	Pass
			12	6	20.09	0.91	21.00	33	Pass
			12	13	20.04	0.91	20.95	33	Pass
			25	0	20.21	0.91	21.12	33	Pass

LTE Band 38 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37800	2575	1	0	23.16	0.91	24.07	33	Pass
			1	24	23.17	0.91	24.08	33	Pass
			1	49	23.00	0.91	23.91	33	Pass
			25	0	22.18	0.91	23.09	33	Pass
			25	12	22.13	0.91	23.04	33	Pass
			25	25	22.10	0.91	23.01	33	Pass
			50	0	22.07	0.91	22.98	33	Pass
	38000	2595	1	0	23.07	0.91	23.98	33	Pass
			1	24	23.18	0.91	24.09	33	Pass
			1	49	23.01	0.91	23.92	33	Pass
			25	0	22.12	0.91	23.03	33	Pass
			25	12	22.11	0.91	23.02	33	Pass
			25	25	22.08	0.91	22.99	33	Pass
			50	0	22.00	0.91	22.91	33	Pass
	38200	2615	1	0	23.10	0.91	24.01	33	Pass
			1	24	**23.21**	0.91	**24.12**	33	Pass
			1	49	23.10	0.91	24.01	33	Pass
			25	0	22.15	0.91	23.06	33	Pass
			25	12	22.15	0.91	23.06	33	Pass
			25	25	22.15	0.91	23.06	33	Pass
			50	0	22.07	0.91	22.98	33	Pass
16QAM	37800	2575	1	0	22.14	0.91	23.05	33	Pass
			1	24	22.19	0.91	23.10	33	Pass
			1	49	22.05	0.91	22.96	33	Pass
			25	0	21.09	0.91	22.00	33	Pass
			25	12	21.09	0.91	22.00	33	Pass
			25	25	21.11	0.91	22.02	33	Pass
			50	0	21.10	0.91	22.01	33	Pass

	38000	2595	1	0	22.11	0.91	23.02	33	Pass
			1	24	**22.23**	0.91	**23.14**	33	Pass
			1	49	22.05	0.91	22.96	33	Pass
			25	0	21.07	0.91	21.98	33	Pass
			25	12	21.09	0.91	22.00	33	Pass
			25	25	21.08	0.91	21.99	33	Pass
			50	0	21.10	0.91	22.01	33	Pass
	38200	2615	1	0	22.14	0.91	23.05	33	Pass
			1	24	22.21	0.91	23.12	33	Pass
			1	49	22.14	0.91	23.05	33	Pass
			25	0	21.13	0.91	22.04	33	Pass
			25	12	21.14	0.91	22.05	33	Pass
			25	25	21.13	0.91	22.04	33	Pass
			50	0	21.18	0.91	22.09	33	Pass
64QAM	37800	2575	1	0	20.98	0.91	21.89	33	Pass
			1	24	20.95	0.91	21.86	33	Pass
			1	49	20.94	0.91	21.85	33	Pass
			25	0	20.07	0.91	20.98	33	Pass
			25	12	20.01	0.91	20.92	33	Pass
			25	25	19.95	0.91	20.86	33	Pass
			50	0	20.02	0.91	20.93	33	Pass
	38000	2595	1	0	20.90	0.91	21.81	33	Pass
			1	24	21.01	0.91	21.92	33	Pass
			1	49	20.99	0.91	21.90	33	Pass
			25	0	20.07	0.91	20.98	33	Pass
			25	12	20.09	0.91	21.00	33	Pass
			25	25	20.03	0.91	20.94	33	Pass
			50	0	19.92	0.91	20.83	33	Pass
	38200	2615	1	0	20.98	0.91	21.89	33	Pass
			1	24	**21.04**	0.91	**21.95**	33	Pass
			1	49	20.94	0.91	21.85	33	Pass
			25	0	20.15	0.91	21.06	33	Pass
			25	12	20.14	0.91	21.05	33	Pass
			25	25	20.19	0.91	21.10	33	Pass
			50	0	20.03	0.91	20.94	33	Pass

LTE Band 38 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37825	2577.5	1	0	23.09	0.91	24.00	33	Pass
			1	37	22.99	0.91	23.90	33	Pass
			1	74	22.96	0.91	23.87	33	Pass

			37	0	23.01	0.91	23.92	33	Pass
			37	18	23.07	0.91	23.98	33	Pass
			37	38	23.12	0.91	24.03	33	Pass
			75	0	22.00	0.91	22.91	33	Pass
	38000	2595	1	0	23.01	0.91	23.92	33	Pass
			1	37	23.05	0.91	23.96	33	Pass
			1	74	22.94	0.91	23.85	33	Pass
			37	0	23.03	0.91	23.94	33	Pass
			37	18	23.03	0.91	23.94	33	Pass
			37	38	23.15	0.91	24.06	33	Pass
			75	0	22.02	0.91	22.93	33	Pass
	38175	2612.5	1	0	23.05	0.91	23.96	33	Pass
			1	37	23.09	0.91	24.00	33	Pass
			1	74	23.03	0.91	23.94	33	Pass
			37	0	23.04	0.91	23.95	33	Pass
			37	18	23.11	0.91	24.02	33	Pass
			37	38	**23.19**	0.91	**24.10**	33	Pass
			75	0	22.06	0.91	22.97	33	Pass
16QAM	37825	2577.5	1	0	22.11	0.91	23.02	33	Pass
			1	37	22.07	0.91	22.98	33	Pass
			1	74	21.99	0.91	22.90	33	Pass
			37	0	22.11	0.91	23.02	33	Pass
			37	18	22.08	0.91	22.99	33	Pass
			37	38	22.21	0.91	23.12	33	Pass
			75	0	21.12	0.91	22.03	33	Pass
	38000	2595	1	0	22.05	0.91	22.96	33	Pass
			1	37	22.09	0.91	23.00	33	Pass
			1	74	22.00	0.91	22.91	33	Pass
			37	0	22.09	0.91	23.00	33	Pass
			37	18	22.12	0.91	23.03	33	Pass
			37	38	22.20	0.91	23.11	33	Pass
			75	0	21.15	0.91	22.06	33	Pass
	38175	2612.5	1	0	22.13	0.91	23.04	33	Pass
			1	37	22.15	0.91	23.06	33	Pass
			1	74	22.09	0.91	23.00	33	Pass
			37	0	22.12	0.91	23.03	33	Pass
			37	18	22.17	0.91	23.08	33	Pass
			37	38	**22.22**	0.91	**23.13**	33	Pass
			75	0	21.15	0.91	22.06	33	Pass
64QAM	37825	2577.5	1	0	20.78	0.91	21.69	33	Pass
			1	37	20.83	0.91	21.74	33	Pass
			1	74	20.84	0.91	21.75	33	Pass
			37	0	20.93	0.91	21.84	33	Pass

			37	18	20.97	0.91	21.88	33	Pass
			37	38	20.91	0.91	21.82	33	Pass
			75	0	19.99	0.91	20.90	33	Pass
	38000	2595	1	0	20.83	0.91	21.74	33	Pass
			1	37	20.90	0.91	21.81	33	Pass
			1	74	20.82	0.91	21.73	33	Pass
			37	0	20.82	0.91	21.73	33	Pass
			37	18	20.83	0.91	21.74	33	Pass
			37	38	**21.01**	0.91	**21.92**	33	Pass
			75	0	19.98	0.91	20.89	33	Pass
	38175	2612.5	1	0	20.96	0.91	21.87	33	Pass
			1	37	20.92	0.91	21.83	33	Pass
			1	74	20.85	0.91	21.76	33	Pass
			37	0	20.91	0.91	21.82	33	Pass
			37	18	20.98	0.91	21.89	33	Pass
			37	38	21.00	0.91	21.91	33	Pass
			75	0	20.12	0.91	21.03	33	Pass

LTE Band 38 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37850	2580	1	0	22.93	0.91	23.84	33	Pass
			1	49	23.19	0.91	24.10	33	Pass
			1	99	22.78	0.91	23.69	33	Pass
			50	0	22.04	0.91	22.95	33	Pass
			50	25	21.96	0.91	22.87	33	Pass
			50	50	21.92	0.91	22.83	33	Pass
			100	0	22.04	0.91	22.95	33	Pass
	38000	2595	1	0	22.89	0.91	23.80	33	Pass
			1	49	23.20	0.91	24.11	33	Pass
			1	99	22.80	0.91	23.71	33	Pass
			50	0	22.01	0.91	22.92	33	Pass
			50	25	22.00	0.91	22.91	33	Pass
			50	50	22.03	0.91	22.94	33	Pass
			100	0	22.10	0.91	23.01	33	Pass
	38150	2610	1	0	22.87	0.91	23.78	33	Pass
			1	49	**23.21**	0.91	**24.12**	33	Pass
			1	99	22.89	0.91	23.80	33	Pass
			50	0	22.03	0.91	22.94	33	Pass
			50	25	22.09	0.91	23.00	33	Pass
			50	50	22.04	0.91	22.95	33	Pass
			100	0	22.09	0.91	23.00	33	Pass

	37850	2580	1	0	21.94	0.91	22.85	33	Pass
			1	49	22.24	0.91	23.15	33	Pass
			1	99	21.88	0.91	22.79	33	Pass
			50	0	21.04	0.91	21.95	33	Pass
			50	25	21.07	0.91	21.98	33	Pass
			50	50	21.04	0.91	21.95	33	Pass
			100	0	21.15	0.91	22.06	33	Pass
	38000	2595	1	0	21.93	0.91	22.84	33	Pass
			1	49	**22.28**	0.91	**23.19**	33	Pass
			1	99	21.85	0.91	22.76	33	Pass
16QAM			50	0	21.11	0.91	22.02	33	Pass
			50	25	21.08	0.91	21.99	33	Pass
			50	50	21.10	0.91	22.01	33	Pass
			100	0	21.19	0.91	22.10	33	Pass
	38150	2610	1	0	21.92	0.91	22.83	33	Pass
			1	49	22.26	0.91	23.17	33	Pass
			1	99	21.91	0.91	22.82	33	Pass
			50	0	21.12	0.91	22.03	33	Pass
			50	25	21.16	0.91	22.07	33	Pass
			50	50	21.14	0.91	22.05	33	Pass
			100	0	21.22	0.91	22.13	33	Pass
	37850	2580	1	0	20.80	0.91	21.71	33	Pass
			1	49	21.04	0.91	21.95	33	Pass
			1	99	20.61	0.91	21.52	33	Pass
			50	0	19.98	0.91	20.89	33	Pass
			50	25	19.94	0.91	20.85	33	Pass
			50	50	19.95	0.91	20.86	33	Pass
			100	0	20.02	0.91	20.93	33	Pass
	38000	2595	1	0	20.72	0.91	21.63	33	Pass
			1	49	**21.12**	0.91	**22.03**	33	Pass
			1	99	20.71	0.91	21.62	33	Pass
64QAM			50	0	19.95	0.91	20.86	33	Pass
			50	25	19.94	0.91	20.85	33	Pass
			50	50	19.99	0.91	20.90	33	Pass
			100	0	19.98	0.91	20.89	33	Pass
	38150	2610	1	0	20.78	0.91	21.69	33	Pass
			1	49	21.05	0.91	21.96	33	Pass
			1	99	20.72	0.91	21.63	33	Pass
			50	0	20.01	0.91	20.92	33	Pass
			50	25	20.02	0.91	20.93	33	Pass
			50	50	20.03	0.91	20.94	33	Pass
			100	0	20.05	0.91	20.96	33	Pass

LTE Band 41 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	39675	2498.5	1	0	23.24	0.91	24.15	33	Pass
			1	12	23.30	0.91	24.21	33	Pass
			1	24	23.18	0.91	24.09	33	Pass
			12	0	21.68	0.91	22.59	33	Pass
			12	6	21.70	0.91	22.61	33	Pass
			12	13	21.64	0.91	22.55	33	Pass
			25	0	21.67	0.91	22.58	33	Pass
	40620	2593	1	0	23.26	0.91	24.17	33	Pass
			1	12	23.30	0.91	24.21	33	Pass
			1	24	23.16	0.91	24.07	33	Pass
			12	0	21.71	0.91	22.62	33	Pass
			12	6	21.65	0.91	22.56	33	Pass
			12	13	21.60	0.91	22.51	33	Pass
			25	0	21.71	0.91	22.62	33	Pass
	41565	2687.5	1	0	23.19	0.91	24.10	33	Pass
			1	12	**23.31**	0.91	**24.22**	33	Pass
			1	24	23.25	0.91	24.16	33	Pass
			12	0	21.79	0.91	22.70	33	Pass
			12	6	21.78	0.91	22.69	33	Pass
			12	13	21.72	0.91	22.63	33	Pass
			25	0	21.71	0.91	22.62	33	Pass
16QAM	39675	2498.5	1	0	22.21	0.91	23.12	33	Pass
			1	12	22.24	0.91	23.15	33	Pass
			1	24	22.14	0.91	23.05	33	Pass
			12	0	21.23	0.91	22.14	33	Pass
			12	6	20.94	0.91	21.85	33	Pass
			12	13	20.90	0.91	21.81	33	Pass
			25	0	21.13	0.91	22.04	33	Pass
	40620	2593	1	0	22.25	0.91	23.16	33	Pass
			1	12	22.28	0.91	23.19	33	Pass
			1	24	22.15	0.91	23.06	33	Pass
			12	0	21.14	0.91	22.05	33	Pass
			12	6	21.18	0.91	22.09	33	Pass
			12	13	21.11	0.91	22.02	33	Pass
			25	0	21.19	0.91	22.10	33	Pass
	41565	2687.5	1	0	22.22	0.91	23.13	33	Pass
			1	12	**22.31**	0.91	**23.22**	33	Pass
			1	24	22.20	0.91	23.11	33	Pass
			12	0	21.17	0.91	22.08	33	Pass